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ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES 612408002US1 DESIGNATED/ELECTED OFFICE (DO/EO/US) MS8352 **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE CLAIMED PCT/US2005/004601 14 February 2005 13 February 2004 TITLE OF INVENTION METHODS AND APPARATUS FOR MULTI-CARRIER COMMUNICATION SYSTEMS WITH ADAPTIVE TRANSMISSION AND FEEDBACK APPLICANT(S) FOR DO/EO/US Xiaodong Li et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) 5. X is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. х is not required, as the application was filed in the United States Receiving Office (RO/US). C. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. a. has been previously submitted under 35 U.S.C. 154(d)(4). 7. X Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). a. b. have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. C. d.l have not been made and will not be made. X An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 9 An English language translation of the annexes of the International Preliminary Examination Report under PCT 10 Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. 15 A substitute specification. A power of attorney and/or change of address letter. 16 A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 17 A second copy of the published International Application under 35 U.S.C. 154(d)(4). 18 A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4),

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. INTERNATIONAL APPLICATION NO. ATTORNEY'S DOCKET NUMBER PCT/US2005/004601 612408002US1 20. x Other items or information: Return Receipt Postcard The following fees have been submitted **CALCULATIONS PTO USEONLY** 21. x 300.00 \$ 22. x Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$ 200.00 All other situations \$200 23. x Search fee (37 CFR 1.492(b)) International Searching Authority..... \$ 100.00\$100 International Search Report prepared by an ISA other than the US and provided to the Office or All other situations TOTAL OF 21, 22 and 23 = \$ 600.00 Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).

The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Number of each additional 50 or fraction **Total Sheets** Extra Sheets RATE thereof (round up to a whole number) 29 - 100 = /50 = x \$250.00 \$ Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration \$ after the date of commencement of the national stage (37 CFR 1.492(h)). NUMBER FILED NUMBER EXTRA RATE Total claims 21-20 = 50.00 50.00 6 - 3 = 3 200.00 Independent claims X 600.00 MULTIPLE DEPENDENT CLAIM(S) (if applicable) + **TOTAL OF ABOVE CALCULATIONS =** 1,250.00 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. . . . \$ 1,250.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest \$ claimed priority date (37 CFR 1.492(i)). **TOTAL NATIONAL FEE =** \$ 1,250.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied . . . \$ by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property \$ **TOTAL FEES ENCLOSED =** \$ 1,250.00 Amount to be \$ refunded: Amount to be \$ charged

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NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed an granted to restore the International Application to pending status.				
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